

SHIP SYSTEM Thermal Insulation for Piping and Machinery	SUBSYSTEM	MRC CODE R-							
SYSTEM	EQUIPMENT	RATES GS-11/12	M/H						
MAINTENANCE REQUIREMENT DESCRIPTION 1. Conduct visual assessment of piping and machinery insulation, lagging, and identification.		TOTAL M/H ELAPSED TIME							
SAFETY PRECAUTIONS 1. Forces afloat comply with NAVOSH Program Manual for Forces Afloat, OPNAVINST 5100.19 series. 2. Keep hands, tools, and loose clothing clear of operating equipment. 3. Exercise extreme caution when working around moving machinery. 4. Ensure all tag-out procedures are in accordance with current shipboard instructions.									
TOOLS, PARTS, MATERIALS, TEST EQUIPMENT <table border="0"> <tr> <td>TOOLS</td> <td>MISCELLANEOUS</td> </tr> <tr> <td>1. [1350] Tape, measuring, 3/8" steel, 100 FT, hand crank</td> <td>1. Ships drawings (as required)</td> </tr> <tr> <td>2. [2271] Flashlight, Type 3, style 1, explosive proof</td> <td>2. NSTM Chapter 505 & 635</td> </tr> </table> <p>NOTE: Numbers in brackets can be referenced to Standard PMS Materials Identification Guide (SPMIG) for stock number identification.</p>				TOOLS	MISCELLANEOUS	1. [1350] Tape, measuring, 3/8" steel, 100 FT, hand crank	1. Ships drawings (as required)	2. [2271] Flashlight, Type 3, style 1, explosive proof	2. NSTM Chapter 505 & 635
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PROCEDURE		PAGE 1 OF 2							
PROCEDURE NOTE 1: Accomplish assessment before availability, after availability, and before deployment. CAUTION: Those personnel who are in contact with wastewater, or assess wastewater treatment plants, should keep basic immunizations current. Immunizations required include typhoid, polio, and tetanus.									
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LOCATION	DATE May 1998	N							

PROCEDURE (Contd)

1. **Conduct visual assessment procedure for machinery and piping insulation.**

a. Assessment of insulation and lagging shall be conducted for the following systems:

1. Chilled Water System (51411)
2. Refrigeration Plant (51611)
3. Firemain System (52111)
4. Fresh Water System (53311)
5. Auxiliary Steam System (5341x)
6. Steam Drains (53461, 53511)
7. Electronics Cooling Water Systems (53621)
8. Prairie Masker System (55141)

b. Insulation and lagging shall be visually assessed for the following:

1. Heat leaks
2. Wetness (water soaked)
3. Looseness
4. Oil soaking
5. Missing
6. Crumbling
7. Proper material and thickness in accordance with NSTM Chapter 635.
8. Proper painting in accordance with NSTM Table 505-7-1.
9. Proper identification and markings in accordance with NSTM Chapter 505-7.8.3.

c. Provide marked up drawings of deficient machinery and piping insulation, lagging, and identification including the pipe size, insulation material, and system.

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